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2005

Impressions: 2005 Winter

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Boston University

BOSTON UNIVERSITY Goldman School of Dental Medicine

impressions

WINTER 2005

innovative education

Reaching

community partnerships

outreach

Further

leading by example



BUSDM's interactions with the larger community—of researchers, clinicians, educators, and community health providers—is essential not only to the education of our students but also to our vitality as an organization always poised to anticipate and respond to change. For many years we have viewed BUSDM as a “school without walls”—an institution focused outward, extending our connections beyond the school's physical space to the wonderfully diverse communities of which we are a part.

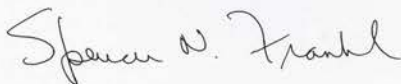
In this spirit, we were gratified to receive a “Pipeline, Profession, and Practice Community-Based Dental Education” grant from the Robert Wood Johnson Foundation. The goals of the grant—to extend care to underserved communities and recruit underrepresented cultural groups to the profession of oral health—mesh so perfectly with BUSDM's longstanding commitment to our community.

Our Externship Program, which this year celebrates its twenty-fifth anniversary, is a key component in our plan to expand oral health care to communities in need. With the grant's support, we have increased senior dental students' externship rotations from six to ten weeks and added a public health project to their experience. This way, students have the opportunity to address a health issue specifically relevant to the communities in which they practice during their rotation. Read about one student and her work in Keene, New Hampshire, on page 6 of this issue of *Impressions*.

In addition, the grant has helped us augment an existing partnership with the Boston Area Health Education Center, where high school students from the inner city of Boston intern at the school and learn about oral health, prevention, and various career opportunities. Now, we can accept more students into this program, furthering our goal of exposing minority young people to careers in oral health—an option they may not have considered before their BUSDM internship. We detail this partnership on page 2 of this issue.

For many years, part of the school's mission has been “to offer excellent health care services to the community and to participate in community activities.” With the Externship Program, our APEX Program (Applied Professional Experience), our patient care center in a public school in Chelsea, Massachusetts, and oral health education and screening programs too numerous to mention, BUSDM remains committed to improving the oral health of our communities.

With warm regards,



Spencer N. Frankl, DDS, MSD
Professor and Dean

in this issue

impressions

A publication for the
alumni and friends of
Boston University School
of Dental Medicine

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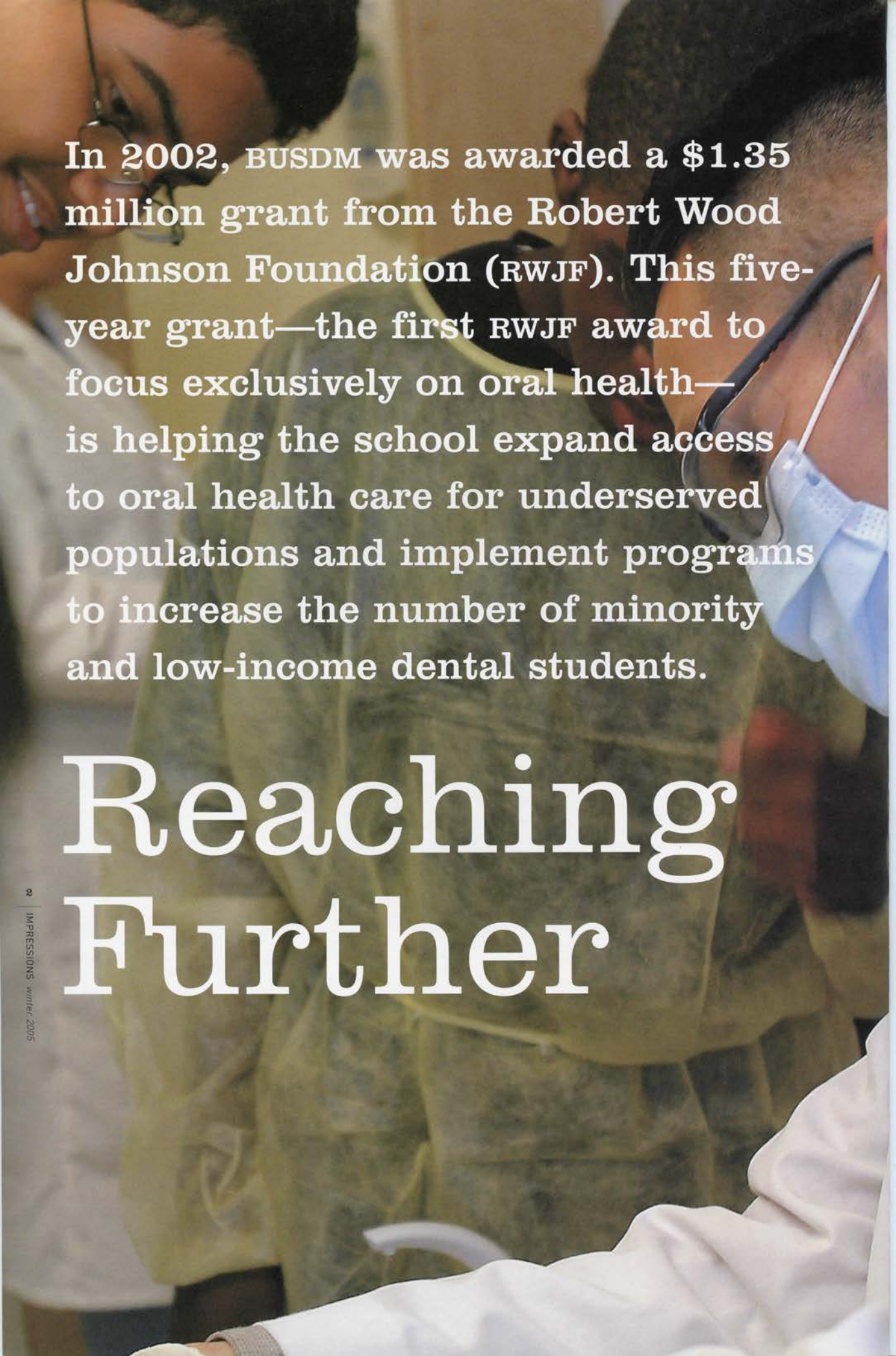
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In 2002, BUSDM was awarded a \$1.35 million grant from the Robert Wood Johnson Foundation (RWJF). This five-year grant—the first RWJF award to focus exclusively on oral health—is helping the school expand access to oral health care for underserved populations and implement programs to increase the number of minority and low-income dental students.

Reaching Further

The school has created several innovative partnerships to meet these goals. One involves working with high school and younger students to expose them to the profession of dentistry, while the other includes a significant expansion of the school's existing Externship Program into underserved areas throughout New England.

BUSDM's long history of community partnerships was a factor that led to its selection as one of 15 dental schools to receive this RWJF "Pipeline, Profession and Practice: Community-Based Dental Education" grant. Two years into the grant, the school continues to be a leader.

Following are snapshots of how the school has been reaching further into the community to help solve some of today's most pressing oral health issues.



Why does someone decide to become a dentist? Or a physician or public health worker?

The answer often reveals the impact of example. Not the example of just anyone, such as someone we see on television, but the influence of people we know personally—an uncle who is a dentist, a sister who is a physician, or a family friend who is a surgeon.

But what happens when there are no role models? What if the idea of becoming a health care practitioner is far-fetched—if it even occurs at all?

Enter the Boston Area Health Education Center, known as "BAHEC." Boston University School of Dental Medicine has teamed up with this branch of the Boston Public Health Commission as part of the school's RWJF grant to help increase the number of minority applicants to dental school and, ultimately, the number of minority oral health care providers. The school has named this project the "New England Minority Enrichment Project," which is part of the larger New England Dental Access Project (NEDAP) that BUSDM started as a result of the grant.

Dr. Greg Stoute, BUSDM's director of minority affairs and associate professor in the Departments of General Dentistry and Health Policy and Health Services Research, says minorities "tend to go back to the communities they come from to serve those

communities." If minority communities are cared for by minority health providers, the reasoning goes, more young people will be inspired to follow in their footsteps—and more people who do not see the dentist will be able to access care right in their own neighborhoods. "Patients are more likely to seek care from someone who is of their culture," says Dr. Ana Karina Mascarenhas, director of BUSDM's Division of Dental Public Health and project director of NEDAP. "Thus increasing the number of minority dentists will increase access to care."

Make no doubt about it: a definite need exists for minority dentists as role models. "Quite simply," says Stoute, "the population of the United States doesn't reflect the makeup of providers." Data from the National Institute of Dental and Craniofacial Research confirm that some minority groups, including blacks and Hispanics, continue to be underrepresented in the dental professions. For instance, in 2002, only 5.7% of graduates from U.S. dental schools were black and only 5.3% were Hispanic [see drc.nidcr.nih.gov/report/16_7.htm]. In contrast, blacks and Hispanics represent 12.3% and 12.5% of the entire U.S. population respectively [2000 U.S. Census].

“

At first I didn't know anything about dentistry, and now I know a lot more... I love kids! I would want to be a pediatric dentist.

Helping people is why I'm doing this; you help a lot of people and it's fun at the same time.

STENCIA JOVAIN, 16, resident of Dorchester, Sophomore at Hyde Park High School



JOE BREA, 16, resident of Roxbury, Sophomore at Snowden International School



HOA MAI, 16, resident of Charlestown, Junior at John D. O'Bryant School of Mathematics and Science

I like going around to the clinics—you get to see how the doctors work. I've learned you have to be very careful with the patients—they are your first priority.



BOBBY LUBIN, 16, resident of Mattapan, Sophomore at Brookline High School

Working with teeth isn't so bad! I have learned a lot.

”



To help remedy this situation, the RWJF grant has enabled BUSDM to bring several young people to the school for an innovative after-school internship program during the school year and a more-intensive summer internship program. The goal is to give minority high-schoolers a view of dental medicine and dental education from the inside.

As part of their internships, the young people have observed in the clinics, learned how to take and develop radiographs, visited the Simulation Learning Center, and discovered the importance of meticulous data collection in the school's Clinical Research Center and Department of Health Policy and Health Services Research. In addition, once a month students gather with Ms. Kathleen Held, assistant professor of general dentistry and assistant director of Extramural Programs, for group learning activities. Says Held, "Through the program, we provide role models in dentistry, which includes dental students, faculty, and hygienists. The importance of these role models cannot be overestimated. The high schoolers learn that dentistry has many facets and specialties, and they can see firsthand the positive impact oral health care has on patients. And if just a couple go on to pursue careers in oral health, we've met our goal."

The interns, who receive a stipend, all say the program has made a big difference in their lives. Of the five interns at the school this year, three had opted to return after participating in a summer program at BUSDM. Joe Brea, 16, a thoughtful and well-spoken sophomore at the Snowden International School, has a quiet and focused enthusiasm. "Helping people is why I'm doing this," says the Roxbury resident. "I think a health career is one of the best careers you can follow." His involvement with BAHEC and BUSDM shows just how important the impact of personal influence can be: he joined the program with the encouragement of his brother, who was involved with BAHEC several years ago.

Brea has been working in the Clinical Research Center with Dr. Hatice Hasturk, assistant professor of periodontology and oral biology. He has recorded data on periodontal disease and learned all about the different things dentists do while working on a mouth, including fillings and radiographs. As a result of his exposure to the profession, he is considering becoming a dentist. "It seems like a good profession—you help a lot of people and it's fun at the same time."

Stencia Jovain, a 16-year-old junior from Dorchester who attends Hyde Park High School, is enthusiastic about her experiences at BUSDM, where she has spent time observing in the clinics and learning from Held and Stoute what she would need to know to get into dental school. "At first I didn't know anything about dentistry, and now I know a lot more," she says. "I learned all about gum disease and how to properly take care of your teeth. I like the tools and how dentists use different materials." She does not hesitate when asked whether she would recommend the internship to other students: "It's really interesting and fun." Of her future, she says, she is certain of one thing. "I love kids! I would want to be a pediatric dentist."

Exemplifying teenage understatement is Bobby Lubin, 16, who lives in Mattapan and attends Brookline High School. "Working with teeth isn't so bad!" he says. He really likes his BUSDM internship, where he works with Dr. John Guarente, chair of the Department of Diagnostic Sciences and Patient Services, and Dr. Anita Gohel, assistant professor in the same department. In his internship he focuses on radiology, learning to take, develop, and mount radiographs. "I have learned a lot."

Hoa Mai, 16, came to the United States from Vietnam in 1995. The Charlestown resident and junior at John D. Bryant School of Mathematics and Science learned English in bilingual classes and is now seeking to follow his older sisters' footsteps and enter the health professions (both his sisters attend the Massachusetts College of Pharmacy). The ambitious youngster had not considered dentistry as an option until he came to BUSDM for his internship, where he works with Dr. Judith Jones, chair of the Department of General Dentistry. "I like going around in the clinics—you get to see how the doctors work. I've learned you have to be very careful with the patients—they are your first priority."

The students have all been positively affected during their time at BUSDM. And their youthful enthusiasm has impressed the people who have worked with them. "They're remarkable young people," says Mascarenhas. "They are intelligent, ask great questions, and love to seek out new information"—qualities that, not incidentally, would serve future dental students in good stead.



A New Level of Dental Problems... and Learning

Driving into Keene, New Hampshire, a visitor first notices the community's quaint New England charm. Rolling hills, local shops, and white church steeples all lend Keene a sleepy, down-home peacefulness. But beyond the picture-perfect image of the former mill town is a community with significant pockets of poverty—and serious unmet oral health needs.

It seems strange that in 2004 a 23-year-old woman would be in need of a full set of dentures. More unsettling is that this Keene woman considers the loss normal because both her parents and her grandparents lost their teeth at early ages. And what about her baby? Will he be in the same position on his twenty-fifth birthday?

Solving problems like these is the goal of the Robert Wood Johnson Foundation Pipeline, Profession and Practice Community-Based Dental Education grant. BUSDM, one of 15 schools of dental medicine to receive the grant, has long been involved with community health through its many partnerships, including the school's Externship Program, which this year celebrates its twenty-fifth anniversary. The RWJF grant has helped the school nurture additional externship sites throughout New England as part of the RWJF-funded New England Dental Access Project—all with the twin objective of educating dental students in public health while providing care to underserved populations.



My dad is a dentist so I knew the types of problems that exist and the clear need to educate people

Amelia Grabe DMD 05 is a down-to-earth, enthusiastic fourth-year student who is more than familiar with the Keene area—she grew up about a half hour north in Plainfield. She is not surprised at the distressing level of unmet oral health care needs in Keene. “My dad is a dentist so I knew the types of problems that exist and the clear need to educate people,” she says.

Perhaps most striking is that Grabe is not doing her externship at a community clinic but at a nonprofit dental office called “Dental Health Works.” Located in an historic renovated mill just a few blocks from Main Street, Dental Health Works is led by Dr. Stephen Hoffman, who was recruited two years ago from Danbury, Connecticut, to head up the new office. What makes the practice unique is that it was established by a Keene community organization to provide care to patients at full fee while using profits to treat significant numbers of Keene’s Medicaid patients.

“Children on Medicaid, disabled clients—all the Medicaid population was grossly underserved,” says Hoffman. “The Cheshire County Dental Public Health Task Force was created in 2000 by community leaders who saw a need for dental public health that wasn’t being met. Many people were getting treated through the emergency room—which meant they weren’t getting treatment, just prescriptions,” adds Hoffman, whose articulate passion for public health makes him an ideal externship mentor.

He believes BUSDM’s expanded Externship Program is a perfect fit for him and the practice. “My background is in dental practice residency programs in education prior to coming to Keene, blended with a private practice. So I thought it was a great fit because it allows us to expand our services and treat more patients.”

Contributing to unmet oral health needs in Keene, as elsewhere, is the well-known reluctance of providers to accept Medicaid because of low reimbursement rates. “That’s where we’re really plugging our BU extern in now,” says Hoffman, “into the adult Medicaid population. We’re providing a lot of free care. We are the only practice in the community that routinely accepts Medicaid patients.”

Several of Grabe’s patients suffer from oral problems related to a physical illness such as Crohn’s disease or a mental illness such as depression. “I have a patient who is 19 years old whose front teeth are half black from xerostomia [dry mouth] due to his medications,” says Grabe. “He’s on several antidepressants that cause dry mouth, so he has a very high caries rate. Last week I finished restoring all his front teeth. This poor kid has no self esteem and he was so excited. He had been very quiet, but every time he comes in he’s more talkative. He told me people have been complimenting his teeth.”

As part of the RWJF Pipeline grant, BUSDM expanded the Externships Program to include a public health project. Grabe will focus on educating mentally ill people about the effects medication can have on their oral health and quality of life. She was drawn to the project through one of her patients, who works at a nonprofit organization that helps mentally ill people rejoin the workforce and, in a sense, reenter society. And because medications for mental illness can have an adverse effect on the mouth, leading to esthetic problems, the oral health of mentally ill people can be an important factor in self esteem.

“I’m going to take pictures of my 19-year-old patient whose teeth I restored,” says Grabe, “and use them to show what can happen. People learn different ways. Are you a visual learner, an audio learner, or kinesthetic learner? And for people who are visual learners, when they see a picture of the teeth all broken down, it sends a clear message: Don’t let this happen to you. Here’s what you can do to prevent it, here’s where you can go to get help.”

Grabe, who plans to enter private practice when she graduates, says she would like to treat the Medicaid population. “There’s a difference in how they perceive the care they’re getting,” she says. “A lot of the patients aren’t used to receiving care, and they appreciate it that much more.”

Not that Grabe is in the profession for self gratification. “I genuinely love helping people,” she says. With students like her and the determination of BUSDM to eliminate dental disparities, the day may come where all patients, regardless of health or economic status, receive the care they need.

We are the only practice in the community that routinely accepts Medicaid patients

The day may come where all patients, regardless of health or economic status, receive the care they need.

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AMELIA GRABE DMD 05 AND DR. STEPHEN HOFFMAN

dental health works



conversations

Dr. Michelle Henshaw, director of BUSDM's Community Health Programs, and Dr. Ana Karina Mascarenhas, director of BUSDM's Division of Dental Public Health and project director for the school's Robert Wood Johnson Foundation grant, took a short walk across the street from their offices at 560 Harrison Avenue to chat in the studio of *Impressions* photographer Kent Dayton. Their mission: to discuss how the grant has helped the school expand existing programs for improving community health and broaden not only our students' educational experience but also the diversity of our student population.

Ana Karina Mascarenhas: There are several goals of the New England Dental Access Project [NEDAP] funded by the Robert Wood Johnson Foundation [RWJF] Pipeline, Profession and Practice: Community-Based Dental Education. A main component of RWJF is to develop pipeline efforts that aim to recruit minority students into the field of dentistry, starting as early as middle school.

Michelle Henshaw: To accomplish this, NEDAP provided us with resources to expand existing partnerships. One example is our relationship with the Boston Area Health Education Center [BAHEC]. BAHEC is a program within the Boston Public Health Commission that aims to increase the pool of minority health professionals in medically underserved areas. Historically BAHEC has a large pool of qualified high school students who have not been able to participate in the program because of limited space and funding. Because of NEDAP, BAHEC now is able to accept almost ten additional students interested in health professional careers and these students do their field experience/internship at BUSDM.

AKM: We are involved with two programs with BAHEC—a seven-week summer program and an after-school program during the school year. In both programs, the high-schoolers spend Monday through Wednesday afternoons at the dental school, where they work with their assigned mentors. On Tuesdays, students observe in the patient treatment areas or are involved in a group activity, which ranges from a lecture in oral pathology to learning about dental instrumentation and mixing dental materials...

MH: ... and they are going to the Simulation Learning Center and getting exposure to different faculty and facets of dentistry.

AKM: We also have a summer internship program for college students interested in dentistry. Students learn about the profession and the dental school application process. Last year we had three college students matriculate in this program.

MH: This is another example of a successful partnership, this time with the BUSDM EXCEL [Experiential Center for Excellence in Learning] Program, which provides first-year dental students a supportive transition into dental school. The EXCEL program has demonstrated success in preparing incoming students to succeed in dental school at BU.

AKM: And so we thought this exposure would help college students get a flavor of what dental school is like as well as prepare them to succeed when applying to dental school. We're looking to expand the program into its own full-fledged summer program. We are currently talking with San Diego State University to host their Harding Scholarship recipients.

MH: Given that we are targeting diverse student groups—middle and high school, college age, and postbachelor students—in our pipeline effort, we are tailoring strategies and programs for each population. We will also be evaluating all of the programs and gathering data and outcomes to improve our programs and to allow BUSDM's successes to be replicated in other dental schools.

AKM: One of the important contributions of the pipeline initiative as a whole is to look at the different strategies for minority recruitment and retention that were used by the 15 dental school RWJF grant recipients in order to identify which strategies are most effective in increasing the enrollment of under-represented minority students in dental school.



MH: The other focus of the grant involves enhancing community-based clinical education programs that provide care to underserved populations. NEDAP has broadened the scope of the BUSDM Externship Program, a program in which senior dental students provide dental care to underserved populations in community-based settings, by enabling us to expand the students' rotations from six to ten weeks. We believe that this additional time will allow students to become more fully integrated into the sites and get a wider breadth of clinical experience—they would be exposed to more cases, more-difficult cases, and be able to take more cases to completion.

AKM: From a clinical and educational perspective this change makes a lot of sense. We also feel strongly that having them housed in some of the sites that are more distant from Boston will give them a unique opportunity to learn about the community in which they are practicing. And to deepen that understanding we are having them work on a public health project as part of their externship experience. One half day per week they work with their preceptor at that site on a project that addresses an unmet health need in that community. When this project was piloted, overwhelmingly the students had a positive experience. They learned a lot about public health and prevention and developed a deeper appreciation for underserved communities.

MH: Another important aspect of NEDAP is that it is allowing us to expand across more of New England. There's a severe dental workforce shortage in Maine, New Hampshire, Vermont, and Rhode Island.

AKM: And NEDAP exposes our students to alternative practice locations. Students who complete their externship in these settings find out that it's a good practice opportunity. The number one priority for our dental school in finding externship sites is looking for an underserved area. This matches well with the Robert Wood Johnson Foundation's goals.

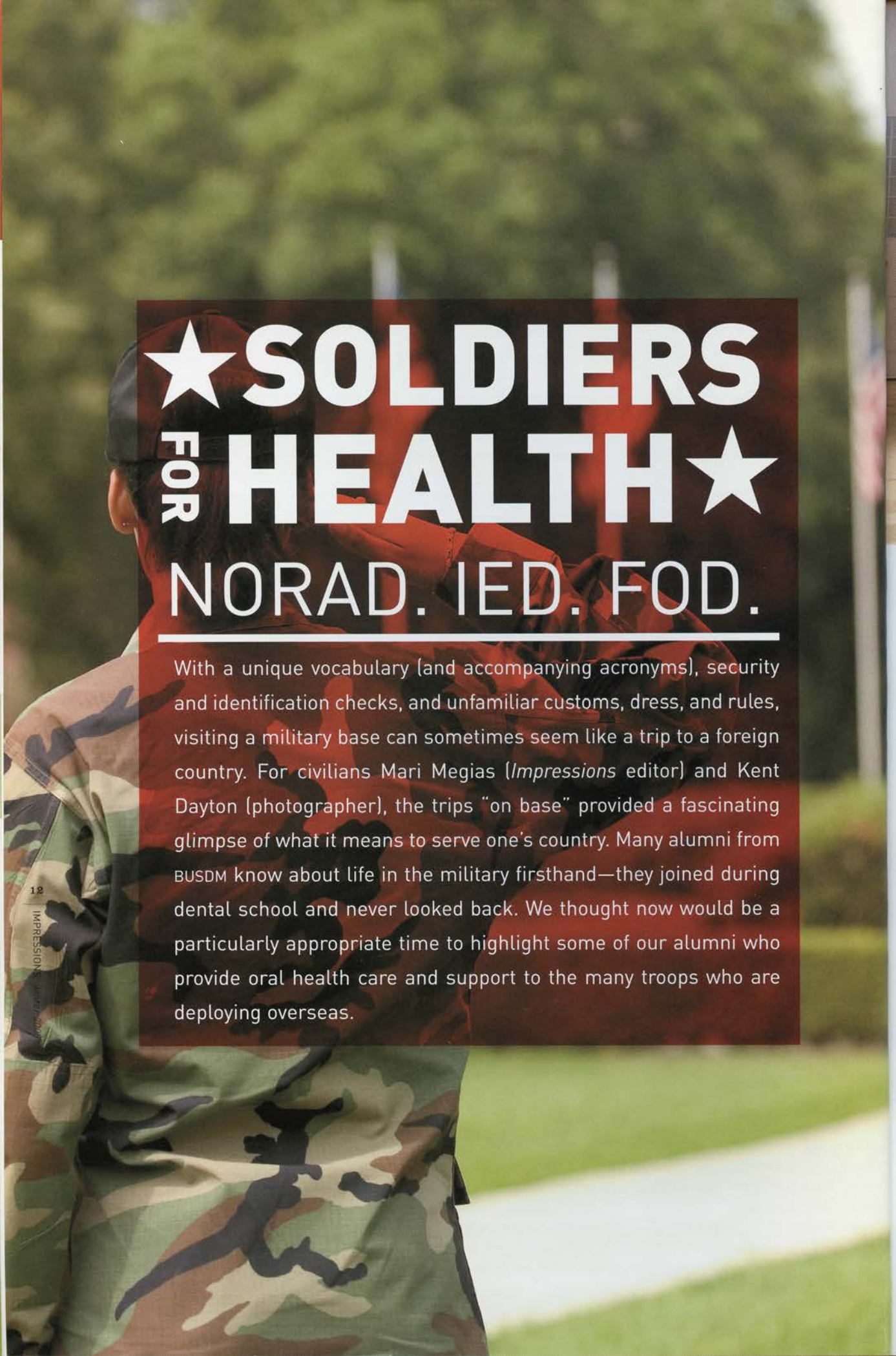
MH: The other important thing is to have a preceptor at the site who is willing to mentor and teach our dental students. That is by and large the most important criterion—someone who can be a role model and an educator. We were inundated with requests for students from the moment we announced the grant. We've had state dental directors and clinic dental directors respond—literally from across New England. It was amazing how fast the news of the grant spread.

AKM: As with most grants, there is a huge evaluation component. We're evaluating outcomes specific to BUSDM as well as outcomes across the 15 schools that are participating in the pipeline project. Our evaluation plan, which we worked on with [Dr.] Deborah Fournier [director of BUSDM's Office of Educational Research and Evaluation], consists of four components: one, outcomes evaluation to see if goals of the program were reached; two, process evaluation to explore why the outcomes occurred; three, input evaluation, which provides data on the characteristics of new dental students and anticipates future performance in order to adjust admission selection and provide academic support to students; and four, meta-evaluation, which is an "evaluation of the evaluation" in order to monitor and improve the evaluation as it progresses so that the credibility of evaluation results is maintained.

MH: We share these findings with the grant recipients from the other 14 schools at an annual grantee meeting, where individual programs are chosen to present specific topics relevant to all the schools, and again at the annual meeting of the American Dental Education Association. Since BUSDM is a leader in community-based education, we have often been asked to share our expertise with the other schools.

AKM: Next week at ADEA there is a symposium titled RWJF, Pipeline Profession and Practice: Community-Based Dental Education, where I'm presenting on evaluating clinical services. Whenever there has been a symposium, we're the only school that has consistently been asked to present. That shows that we are leaders.

MH: Community-based education has been a cornerstone of the school's DMD curriculum almost since its inception. Over the years, under the vision and leadership of Dean Frankl, our community-based educational programs have continued to improve and grow. NEDAP has allowed us to expand the scope and focus of the school's Externship Program, which has created a new paradigm and which we believe will set the standard for community-based dental education nationwide.



★ SOLDIERS FOR HEALTH ★ NORAD. IED. FOD.

With a unique vocabulary (and accompanying acronyms), security and identification checks, and unfamiliar customs, dress, and rules, visiting a military base can sometimes seem like a trip to a foreign country. For civilians Mari Megias (*Impressions* editor) and Kent Dayton (photographer), the trips “on base” provided a fascinating glimpse of what it means to serve one’s country. Many alumni from BUSDM know about life in the military firsthand—they joined during dental school and never looked back. We thought now would be a particularly appropriate time to highlight some of our alumni who provide oral health care and support to the many troops who are deploying overseas.



Brigadier General Oscar DePriest DMD 79 ARMY RESERVES

As we waited in a quiet office to meet Brigadier General Oscar DePriest at Hanscom Air Force Base in Bedford, Massachusetts, we watched as soldiers stopped by to chat with each other about work and their next assignments. Before long, we noticed one soldier's embroidered nametag: "DEPRIEST." This army general, who had arrived without fanfare, was enjoying a few moments joking with personnel at the base where he had served as commander of the 309th Combat Support Hospital from 2000 to 2003.

"When you become a general, there's a lot of protocol; people do stuff for you. I'm not good at that!" he laughs. It's easy to see how this friendly officer keeps it real—his easy bantering with all different types of people is one of the many assets he brings to his job.

"When I first got to the surgeon general's office [in 2003]," says Oscar, "Lieutenant General Peake, the army surgeon general, sat down with me to review my job description. I was the only person to come directly from a troop command position; all the others had previously held staff positions. He said to me, 'You speak the language we've forgotten to speak around here.' A lot of general officers forgot the effect their decisions have on the lives of everyday soldiers; I still remain painfully aware, having come right off troop command. So who better to go talk to the soldiers, listen to what they have to say, then come back to a level where decisions can be made to effect change?"

Improving the soldier's experience is a mission Oscar takes to heart in his position as army assistant surgeon general for force management, mobilization, and reserve affairs. What he likes best is when he fixes a problem. "Every now and then someone falls through the cracks," he says. "Something may not get done when a soldier needs to go home to their family, and I can expedite some really good things." He also works to ensure reservists are given adequate notice before deployment. "You should have 45 to 60 days to get your life in order as a reserve soldier. This happens most of the time; however, when it doesn't I'm the person who listens to them one more time to try to fix it and fix the process. I understand; I live the same life. I've got a family and another job too."

Oscar spends about two weeks per month traveling around the country visiting returning troops or soldiers who are about to deploy. In the last nine months alone he has logged more than 155,000 miles. For day trips, he often wears his uniform. The response of other passengers, he says, is overwhelmingly positive—a far cry from his memories growing up during Vietnam. "Society is going out of its way to welcome the military. People will rub the flag on my uniform, shake my hand, and thank me. I even had one plane applaud. It's so different, especially for someone my age who saw a different reaction surrounding Vietnam."

When he isn't on active duty, Oscar maintains his private practice in Bedford. "My daughter says I'm a 'wicked townie!'" he jokes, noting that he was a 1970 graduate of Bedford High School and continues to live in the town. His son just started college and his daughter recently graduated, so Oscar and his wife Susan, whom he met on his eighteenth birthday, keep busy with their new pug named Topsy.

Oscar says, "I never aspired to this level—it just kind of happened." His current position lasts until 2007. On the possibility of being promoted to a two-star general, he says he and his wife will cross that bridge when they get to it. "For the next three years, I'll be very happy doing what I'm doing."



Captain Thuy Do DMD O3

AIR FORCE

We met Thuy (pronounced "Twee") at Barksdale Air Force Base in Shreveport, Louisiana. Barksdale is just one of two bases in the country that focus exclusively on the B-52 bomber, and the opportunity to photograph Thuy in front of one of these mammoth planes was not to be missed. But before we entered the restricted flight line, our escort, Barksdale's public affairs officer, had to hop out of the car to do a FOD check. FOD (or "Foreign Object Damage") checks—where drivers inspect a car's tires for rocks or other debris that may have lodged in the grooves—are mandatory for vehicles that drive on the runways. The idea is to avoid bringing items onto the tarmac that could get sucked into the planes' giant engines and cause damage.

Thuy looked wonderfully refreshed in the dripping humid, 90-degree Louisiana heat—all the more remarkable given that she was four months pregnant during our interview. She and her husband were expecting a little girl, who entered the world to join big brother Tai, age six, in November.

BUSDM's support of her as a student with a baby at home was crucial to her decision to attend the school. "During my interviews at other schools," she says, "they saw the fact that I had a child as not a good thing. They didn't think I'd do well. But Dr. [Sydell] Shaw during my interview was very supportive. She thought it would make me a better student. And as it turned out she was right. I did very well in school with a child because I really had to manage my time."

"BU accepted me like family," she goes on to say. "I just loved the school, the environment, the faculty, and the support I got there. It was a no-brainer to choose BU." When

asked to name some of her favorite teachers, she rattles off a series of names: Dr. [Carl] McManama, Dr. [Jean] Emerling, Dr. [Celeste] Kong, Dr. [Frederick] Hains, Dr. [Larry] Zoller, [Ms.] Catherine Sarkis, Dr. [Steven] Mollica, and Dr. [Ronni] Schnell. "And her favorite class?" "I liked everything! But as sick as it sounds," she laughs, "I think I liked pros the most. I liked the labs and preparing the teeth."

Thuy notes that BUSDM has given her the tools she needs to succeed in her AEGD residency at Barksdale. "Didactically, I feel way ahead of everyone here—and they've all come from different schools. BU prepared me so well." She says she has learned a great deal during her residency: periodontal surgeries, extractions of impacted third molars, complicated endodontic and prosthodontic cases, and orthodontic treatments. "The whole idea is they're going to send you to a base that doesn't have specialists, so you're essentially going to be the specialist."

Born in Vietnam and emigrating to the United States at age five, Thuy will be returning to her home state for her next posting, at Abilene Air Force Base near her hometown of Arlington, Texas. She is looking forward to reuniting with her family, especially her husband and son. While she has been at Barksdale, they remained in Boston because of his job at Johnson & Johnson. "The company didn't have an opening in Shreveport when I was first stationed here, so we figured it's just a year. He will be transferring to the Abilene office."

All told, her time at BUSDM and her residency at Barksdale have been wonderful experiences. "Wherever you go, it's always what you make of it," she says.

Captain Amy Bowman DMD 03

ARMY

As we photographed Captain Amy Bowman at Fort Carson, Colorado Springs, the president of the United States was giving the commencement address at the Air Force Academy graduation just a few miles away. Make no doubt about it: home of one Army base, two Air Force bases, NORAD (North American Aerospace Defense Command), and the Air Force Academy, Colorado Springs is a military town.

It is also stunningly beautiful. A native of Rochester, New York, Amy feels lucky to be posted in the Rocky Mountains—the snowboarding, rock climbing, and hiking have never been better for this passionate devotee of outdoor recreation. “There’s so much to do here!” she says. As an extra plus, she adds, “There’s a pretty decent Ultimate Frisbee scene here.” [While a student at BUSDM, Amy was well known for her athleticism and dedication to this fast-paced game.]

In a way it was her fondness for sport that led to her decision to become a dentist. “I broke off my two front teeth when I was little, swimming the butterfly, and had root canals and crowns at a very early age. I went on a lot of trips to the dentist and thought it looked like a fun thing to do.”

When it came time to choose a dental school, her decision was clear after her visit to BUSDM. “It was a matter of where I felt most comfortable, and that for me was BU. I liked the people I met, especially Dr. [Sydell] Shaw, who I interviewed with. She was wonderful.”

Amy knew during her undergraduate days at Notre Dame that she wanted to join the military to help her become a dentist. “It was my friends from undergrad who got me interested. And people have been very supportive and think it’s pretty cool, even if it might not be for them.”

During her year-long AEGD program at Fort Carson, Amy has treated many soldiers who are deploying to or have returned (or “demobilized,” in military-speak) from Iraq. “Some people coming back just didn’t take care of their teeth, which is understandable—they had a lot of other things going on besides worrying about brushing and flossing. So some people return in pretty bad shape while others come back and it’s like they never left.”

She has been involved with the reconstruction of battle-related injuries. “It’s not something we see all that often, but it does make a pretty big impact when these patients come your way. There’s a pretty broad spectrum. We see shrapnel injuries and facial trauma. They get sent over to oral surgery, so we are exposed to it but we’re not actually treating it. Some are having facial scars revised or a jaw reconstruction after a shrapnel or gunshot injury. One of my patients though had a front tooth knocked out because of the IEDs [“improvised explosive devices” or roadside bombs—the infamous proclivity of the military for acronyms has been easily adopted by Amy] and we’re planning on restoring it with an implant.”

Next stop for Amy is Germany, where she will be posted for the next three years—although, she says, “It could end up differently. That’s the way the military is—things are always changing!”





appreciation

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progress report

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Externship Program Celebrates Twenty-fifth Anniversary

Founded in 1979, the school's Externship Program this year celebrates twenty-five years of providing senior dental students with real-world experience in community health care sites around the country. Perhaps the most fitting testament to the program's longevity and success is that many of the sites have been with BUSDM since day one of the program.

In the beginning, U.S. Coast Guard and Veterans' Affairs treatment centers predominated. Now, community health care sites comprise the majority of externship practices. This year, the program added an oral health care center run by the Indian Bureau of Health on a Navajo reservation on the Arizona-New Mexico border.

Madalyn Mann, director of extramural programs at BUSDM, has been with the program from the beginning. "People from around the country call me for advice on how to set up and manage their own programs," she says. "We've had such a strong program for so long that we have become a model for other dental schools."

It was the Externship Program's strength that led to the school's selection as one of the recipients of the Robert Wood Johnson Foundation grant to expand care within the community. "Our leadership in Externship Programs allowed us to meet a goal of the grant early, to expand the program from six weeks to ten weeks," says Mann.

What distinguishes the BUSDM Externship Programs? Mann responds without a second of hesitation. "A dean who is 100 percent supportive. From the very top level—the dean and his 'school without walls' philosophy—we have been afforded the support we need to run a successful program on a day-to-day basis."

She also notes the school's longstanding relationships with preceptors at externship sites. "There's lots of trust on both sides. We follow through on what we say we'll do, and they do the same. They have tremendous respect for the school, and we respect them."

Two Programs Receive "Best Practices" Kudos

The Predoctoral Research Program and the Chelsea Oral Health Partnership have been singled out as best practices in dental education by the American Dental Education Association's (ADEA's) Center for Educational Policy and Research. According to ADEA, best practices are models of excellence and comprise the most innovative strategies, approaches, programs, processes, and systems used by schools to fulfill their missions.

Through the Predoctoral Research Program, DMD students have the opportunity to conduct research beginning in their first year in dental school. As an integral component of the school's mission, research has for many years been an option for predoctoral students. One overall goal of the program is to expose DMD students to the importance of research in modern dentistry and to steer scientifically talented students into research careers. The program is directed by Dr. Maria Kukuruzinska. For more information about the program, visit dentalschool.bu.edu/research/predoctoral.html.

The Chelsea Oral Health Partnership has built on the university's longstanding relationship with the Chelsea Public Schools. For more than a decade, a BUSDM hygienist has provided oral health education and screenings to preschool through eighth-grade students in Chelsea. In 2001, the program expanded to offer dental sealants to all second-graders using portable equipment in the school nurses' offices. Most recently, in 2003 the school opened a satellite clinic in the Williams School, where BUSDM faculty member Dr. Jennifer Soncini, assistant professor of health policy and health services research and pediatric dentistry, and BUSDM hygienist Ms. Corinna Culler provide care to Chelsea public school students regardless of the ability to pay.



Dr. Maria Kukuruzinska

Professor to Chair NIH Grant Reviewing Committee

Dr. Maria Kukuruzinska, professor in BUSDM's Department of Molecular and Cell Biology, has been selected to serve as chair of one of the first Roadmap reviews to be conducted by the National Institutes of Health. In July 2004, Kukuruzinska will chair a grant reviewing committee for the NIH's National Center for Research Resources.

The four-year planning grant encourages investigators to think "outside the box." Kukuruzinska will be reviewing grants that focus on new approaches to solving significant and complex biomedical problems, particularly ones that have been resistant to more traditional methods. Interdisciplinary approaches that hold promise for improving health will be emphasized.

Dr. Kukuruzinska has served on NIH granting committees for the past 14 years, and between 2000 and 2002 she chaired the Study Section at the Center for Scientific Review. Her current research at BUSDM includes developmental regulation of salivary ALG7 expression and integrin-cadherin cross talk in salivary gland biogenesis.

OUTSIDE THE BOX

progress report



Dr. Salomon Amar

Professor Named to Federal Drug Administration Dental Products Panel

Dr. Salomon Amar, professor of periodontology and oral biology, has been named to the Federal Drug Administration's Dental Products Panel. This panel, a subsidiary of the Medical Devices Committee, reviews and evaluates data on the safety and effectiveness of marketed and investigational products and makes recommendations for their regulation.

"I am honored and excited to join this panel," said Amar. "The responsibility is awesome, but one I welcome. We are charged with very serious and challenging tasks, and I am grateful for the opportunity to share my expertise and opinions with such highly regarded dental professionals, scientists, and researchers," he said.

The Dental Products Panel also functions at times as a dental drug panel, evaluating and recommending whether various prescription drug products should be changed to over-the-counter status and making recommendations about whether to approve new dental drug products for human use.

Amar's research at BUSDM involves the molecular processes involved in inflammatory diseases (e.g., rheumatoid arthritis, gum disease, and inflammatory bowel disease). He is working to identify the molecular factors controlling cytokine gene expression in inflammatory processes, gingivitis, and periodontitis, with the ultimate goal of reducing deleterious effects such as bone loss and connective tissue destruction associated with the overexpression of these cytokines. In 1997, Amar cloned a novel transcription factor capable of significantly repressing expression of the TNF gene. Amar also studies wound healing and periodontal regeneration. His efforts focus on the identification and characterization of cells and extracellular matrix macromolecules and the factors crucial to the regeneration of periodontal structures after periodontal diseases.

Procter & Gamble Donation to BUSDM

Largest Corporate or Foundation Gift in BU History

Boston University's Division of Corporate and Foundation Relations has announced that Procter & Gamble's donation of a patent to BUSDM, announced in 2003, is the largest corporate or foundation gift ever in the university's history.

Procter & Gamble's donation of its H2 antagonist technology will allow the school to research, commercialize, and reap future revenue—expected to be significant—from clinical applications of this technology.

The H2 antagonist technology blocks the effects of histamine, enhancing the body's natural defense mechanisms in both gingivitis and periodontitis. With more research and FDA approval, this technology may lead to significant new ways to prevent and treat these oral health diseases.

Procter & Gamble selected BUSDM to receive the donation because of the school's strong track record in creating companies to develop new technologies in oral health. Dr. Thomas Van Dyke, director of the school's Clinical Research Center, was instrumental in securing this grant.

LARGEST CORPORATE OR FOUNDATION GIFT IN BU HISTORY



Dr. Anthony Gianelly and Dr. Herbert Schilder

Symposium Honors Two Legends

In March, BUSDM's Division of Continuing Education presented a symposium in honor of the founding chairs of two of the school's postdoctoral programs: Anthony Gianelly, of the Department of Orthodontics and Dentofacial Orthopedics, and Herbert Schilder, of the Department of Endodontics. The three-day scientific and clinical symposium, held at the Langham Hotel in Boston, featured topics in orthodontics and endodontics. More than 150 people participated, including over 40 alumni.

The conference's highlight was a luncheon honoring Drs. Gianelly and Schilder, who was represented by his wife Joan. Throughout their careers, Drs. Gianelly and Schilder made significant and original contributions to their fields. They established standards of dental education and practice that will endure for years to come.

"Tony and Herb were uncompromising in their mission to build the very best postdoctoral programs in orthodontics and endodontics," says Dean Frankl. "They are both world-renowned experts in their fields, constantly in high demand nationally and internationally for their knowledge and expertise. However, they never lost sight of their priorities—their students."

Board of Visitors Updated on Community Efforts

This September BUSDM held its annual Board of Visitors meeting at the BU Medical Campus. Created in 1980, the Board of Visitors comprises a distinguished group of business and academic leaders, both from the dental field and without, who provide their expertise as the school continues to anticipate and manage change.

The meeting this year focused on the school's efforts to address community oral health needs.

Members of the Board of Visitors include:

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progress report



Dr. Dana Graves

New Discovery in Preventing Diabetic Complications

A new study led by Dr. Dana Graves, professor in the Department of Periodontology and Oral Biology, sheds light on the response to infection in people with type 2 diabetes, that is, diabetes associated with obesity. The study revealed that controlling a specific protein

produced by the body, known as a cytokine, reduces the expression of other molecules and helps control inflammation, which is significant because many complications associated with diabetes trigger an inflammatory response. Right now, type 2 diabetes affects more than 17 million people in the United States alone.

Tumor necrosis factor (TNF), a type of cytokine, can cause inflammation and damage in soft tissue infections, bite wounds, and periodontal disease. In Graves' study, published in the *Journal of Investigative Dermatology* in August, two groups of laboratory mice—one normal, the other diabetic—were injected with anaerobic bacteria (a germ present in periodontal disease and approximately one-third of bite wounds and associated with the formation of abscesses and serious infections) to determine how type 2 diabetes affects the inflammatory response in surrounding tissue. Results demonstrated that the presence of diabetes prolongs inflammation. Following infection, the normal mice were able to resolve within three days the ensuing inflammation whereas the diabetic mice could not.

"It may be particularly important in diabetics to consider the impact prolonged inflammation might have on the course of events," says Graves. According to the study, diabetics are particularly susceptible to the detrimental effects of infection associated with inflammatory cytokines. Further, inflammation can often be a precursor to complications such as cardiovascular disease and poor wound healing. Graves notes, "If excess TNF in diabetics is inhibited, the tendency for prolonged inflammation is reduced."



Dr. Christopher Hughes

Chair of Pediatric Dentistry Marks Ten Years of Leadership

Dr. Christopher Hughes was honored at a dinner in June to celebrate his ten years as chair of the Department of Pediatric Dentistry. During his time at BUSDM Hughes, who has seen more than 130 students graduate from the program, has exhibited an extraordinary dedication to each postdoctoral student as well as an unmatched passion for imparting knowledge of children's oral health and their special needs.



Dorothy Goldman

In Memoriam

Dorothy Goldman, wife of school founder Henry M. Goldman, passed away in October. Since the school's founding in 1963, she contributed immeasurably to BUSDM and its mission. She and Henry built a legacy that continues to this day.

In June, the school lost a dear friend with the passing of Dr. Murray Bernstein, former clinical director and clinical professor orthodontics. School founder Dr. Henry Goldman brought Bernstein to BU from Beth Israel Hospital to help found the school's Department of Orthodontics and Dentofacial Orthopedics, a department Bernstein served for more than 30 years. In addition to teaching, Bernstein lectured across the United States and internationally while maintaining private practices in Brookline and Framingham until his retirement in 1990. "He was deeply respected by his students and colleagues and had a major impact on the teaching and practice of orthodontics," says Dean Spencer Frankl. His family has asked that contributions in his honor be directed to the Department of Orthodontics and Dentofacial Orthopedics.

Dr. Smukler Retires

Dr. Hyman Smukler, professor of periodontology and oral biology, has retired after 40 years of service to the school. During his tenure he served as chairperson of the Department of Oral Diagnosis and Radiology (now the Department of Diagnostic Sciences and Patient Services) and director of the postdoctoral periodontology program.

A world-renowned expert on occlusion and diplomate of the American Board of Periodontology, Smukler initiated and directed the interdisciplinary grand rounds treatment planning weekly seminar and the interdisciplinary integration of periodontal, prosthodontic, and implant therapy weekly seminar. Smukler also cofounded the Annual Tri-School Symposium among BUSDM, University of Pennsylvania, and New York University, where residents from periodontal and prosthodontics departments present complex cases. He has lectured both nationally and internationally and has made noteworthy contributions to the scientific literature.

Residents Organize Endodontic Conference

A symposium was organized by two BUSDM endodontic residents on August 6–8 that brought together more than 170 endodontic postdoctoral students from over 30 programs in the United States. The Advanced Programs in Clinical Endodontics Symposium (APICES) for the first time provided an educational program just for residents currently enrolled in endodontic postdoctoral programs.

Jessica Barr ENDO 05 and Brian Chuang ENDO 05 thought bringing together their fellow residents from around the country would be a unique and exciting opportunity to exchange information, new research, and novel techniques. Says Barr, "I felt this symposium would allow residents from across the country to interact both academically and socially. It is our hope that it becomes a much-anticipated annual event."

Adds Chuang, "It was great to have a chance to meet so many other residents from across the country who are undergoing similar training. Attending an event specifically designed for residents created a very welcoming environment that nurtured camaraderie among future colleagues."

Dr. Jeffrey Hutter, chair of BUSDM's Department of Endodontics and one of the conference's lecturers, is impressed by his students' initiative. "Organizing this symposium on their own is a wonderful mark of their intellectual curiosity and resourcefulness," he says.

The program was held at BU's School of Management, with out-of-town students staying in BU dorms. Dean Spencer N. Frankl welcomed participants on Friday night. Organizational and corporate sponsors, who provided room and board for attendees, included tier one supporters (the American Association of Endodontists, Dentsply Endodontics [Dentsply Maillefer and Tulsa Dental]), tier two supporters (ASI Medical, Inc., Discus Dental, Global Surgical, Heraeus Kulzer, Inc., Obtura Spartan, Sybron Endo, Treloar & Heisel, Inc., Ultradent Products, Inc.), and tier three supporters (Boston University Endodontic Alumni Association, J. Morita, Surgitel).

Speakers from around the country, including the president of the American Association of Endodontists and the editor of the *Journal of Endodontics*, presented lectures on challenging choices for less-than-ideal root canal treatment, an evidence-based approach to the use of antibiotics in dentistry, nonodontogenic toothaches, developing skills to interpret analgesic clinical trials, legal and ethical issues in clinical endodontics, endodontics and periodontics in the day of implants, and prosthetic treatment following endodontic treatment.

"It was great to have a chance to meet so many other residents from across the country who are undergoing similar training. Attending an event specifically designed for residents created a very welcoming environment that nurtured camaraderie among future colleagues."

alumni news

CELEBRATING



Morton Perel, Seymour Melnick, Dean Spencer Frankl, Alan Filzer, and David Baraban.

Commencement and Alumni Weekend a Resounding Success

More than 325 revelers gathered at the Fairmont Copley Plaza on May 15, 2004, to celebrate BUSDM's Commencement and Alumni Weekend. Highlighting the evening was the presentation of the Distinguished Alumni Awards and a special dean's award. The next day, at commencement, the Spencer N. Frankl Award for Excellence in Teaching was presented to a BUSDM alumna.

Distinguished Alumni Award for Service to the Community

Alan Filzer PEDO 74 MSD 74

Dr. Filzer has been director of Upham's Corner Health Center in Dorchester since 1974, where he continues his longtime mission of providing low cost and culturally sensitive oral health care to some of Boston's neediest residents. Before he came to BUSDM, he served in the military in San Antonio, Texas, and Seoul, Korea, providing care to military families and their dependents. Dr. Filzer is also an assistant clinical professor in the school's Department of Health Policy and Health Services Research and the Department of Pediatric Dentistry.

Distinguished Alumni Award for Service to the Profession

Morton Perel PROS 65 MSD 65

Dr. Perel's career in dental medicine includes private practice, teaching, writing, lecturing, and editing. He is a diplomate of the International Congress of Oral Implantologists and has written numerous journal articles, editorials, and a seminal implantology textbook, *Dental Implantology and Prostheses*, in 1977. Dr. Perel continues to lecture internationally on the multiple aspects of implant prosthodontics and is coeditor of the quarterly journal *Implant Dentistry*.

Distinguished Alumni Award for Service to the School

Seymour Melnick ENDO 62

Dr. Melnick's longtime association with BUSDM—at the time the Department of Stomatology at MED—began several years before BUSDM was formally chartered in 1963. After receiving his CAGS, he started an extraordinary volunteer relationship with Boston University, where, for the past 40 years, he has visited from Connecticut every two weeks to impart his knowledge to the school's endodontic residents. Every endodontic graduate of the school has had the benefit of his expertise, thanks to his outstanding dedication as volunteer associate clinical professor.

Special Dean's Award Dr. David Baraban

Dr. Baraban has been a part of the BUSDM community since its beginnings in 1959, when he worked with Dr. Henry Goldman, founder of BUSDM, to establish the school. As professor emeritus of restorative sciences/biomaterials since 1988, Dr. Baraban continues to teach at the school. Throughout his illustrious career, he has published numerous articles on restorative dentistry, served as director of BUSDM's Division of Continuing Education, and received awards from the school for excellence in teaching.



ACHIEVEMENTS

Spencer N. Frankl Award for Excellence in Teaching

Celeste Kong PROS 84

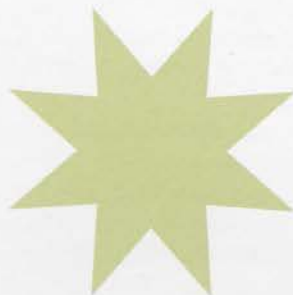
Celeste Kong PROS 84, director of restorative dentistry and associate professor of general dentistry, was this year's recipient of the Spencer N. Frankl Teaching Award. This award is given annually to a member of the faculty whose teaching skills exemplify the school's mission of providing excellent education to present and future dental professionals. In addition to guiding students in clinical patient care, Kong has directed the predoctoral occlusion course since 1989 and has been the director of the third-year fixed prosthodontics course since 1997. Also since 1997, Dr. Kong has been clinical director of predoctoral restorative dentistry.



Celeste Kong

Italy Alumni Club Elects Leadership Board

The BUSDM Italy Alumni Club chose new board members during its June meeting. Assuming leadership roles are Paolo Vigolo PROS 90 MSD 91 (president), Emanuele Risciotti PROS 91 (secretary), Diego Capri PERIO 01 (cultural director), Luca Landi PERIO 97 (board member), and Rosario Prisco PROS 96 (board member).



Alumni Link: Your Connection to Classmates

Seeking a prosthodontist in Florida? Wondering what happened to your study partner? Want classmates to be able to find you for referrals? Look no further than bu.edu/alumni/link.

Search for university alumni by school, specialty, and class year. Update your information. Decide what information you want to publish about yourself.

The Alumni Link is a valuable tool for staying in touch and making sure you can be found for referrals. All alumni are included by default. Be a part of this important alumni resource. Register today to update your information.

ALUMNI NEWS

Share your news with your former classmates and professors—send updates to your alumni officer, Stacey McNamee, at smcnamee@bu.edu, or use the envelope in this issue of *Impressions*. We'd love to hear from you.

alumni news

We believe making connections with students when they begin their studies will welcome them to the BUSDM family.



Alumni Board members who attended Spring Gala 2004. BACK: Shadi Daher DMD 90 DMS 94, Christine Lo PROS 92 DMD 95, Josephine Pandolfo DMD 79 PERIO 82, Paul Farsai DMD 94 AEGD 95 MPH 97, Ralph Hawkins ENDO 89, Helen Yune DMD 91, Steve Perlman PEDO 76; FRONT: Glenn Harris DMD 81, Joseph Calabrese DMD 91 AEGD 92, Madeline Apfel DMD 80, Frank Riccio DMD 77

Message from the Alumni Board President

It gave me great pleasure to welcome fellow alumni back to the school for Alumni Weekend 2004. We presented several distinguished alumni awards and enjoyed a black-tie dinner and dancing at the Fairmont Copley Plaza in Boston. It is always a weekend not to be missed, and I hope to see familiar faces and get to know many more of you during the next Alumni Weekend—my twenty-fifth reunion—on May 20-22, 2005.

Staying in touch with each other has been made a lot easier with the new and improved Boston University Alumni Link, found online at bu.edu/alumni/link. It is an excellent tool for finding classmates or looking for a BUSDM dentist for patient referral purposes. I encourage you all to visit the website and make sure your contact information is up-to-date.

A continuing focus of the BUSDM Alumni Board is to reach out to current students and future members of the Alumni Association. We believe making connections with students when they begin their studies will welcome them to the BUSDM family and motivate them to become involved in the association when they graduate. One of our activities with students is the annual ice cream social, held this year on August 3, during which we distributed newly redesigned "Property of BUSDM Alumni Association" T-shirts. If you would like to order one, contact the school's Office of Development and Alumni Relations at 617/638-4891.

Finally, don't forget to send your news to your alumni officer, Stacey McNamee, using the envelope that came with this issue of *Impressions* or by email to smcnamee@bu.edu. We always love to hear where you are practicing and other details about your life.

Sincerely,
Madeline Apfel DMD 80

Madeline Apfel practices dentistry and lives in the Gramercy Park neighborhood of Manhattan. She has been a member of the school's alumni board for 11 years.



1960s

Bruce Seidberg ENDO 67, who just built a new office (he maintains two offices as a solo practitioner), completed a four-year term on the ADA Council on Communications, finished two years as chair of the New York Section of the Pierre Fauchard Academy, published a paper in the New York State Dental Journal about drug abuse in the dental profession, wrote a chapter in the text *Legal Medicine*, continues to lecture about dental risk management, and was elected Secretary of the American College of Legal Medicine (ACLM). Bruce is the first and only dentist to have served on the ACLM Board of Governors and the first to be elected to its executive committee. He says he is in semiretirement because he now starts at 8:30 in the morning instead of 8 and takes off Fridays. He and Judy make plenty of time to enjoy their three grandchildren and eagerly await the arrival of a fourth.

Donald Feldman ORTHO 71 MSD 71 was recently featured in an issue of the *Daily Item* of Lynn, Massachusetts, where he practices orthodontics, for his community philanthropic work in support of local young people through scholarships and youth organizations. He practices with his son, Craig Feldman ORTHO 02.

Robert Greer ORAL PATH 74 DSC 74 and also a graduate of BU's creative writing program (1989) has published his sixth novel, *Heat Shock*. The mystery, which draws on his scientific knowledge, involves murder and romance. The author and practicing dentist now lives in Denver.

Michael Hauser DMD 77 was voted a "top dentist" for oral and maxillofacial surgery in northern Ohio by the leading regional magazine *Northern Ohio Live* in 2003.

Michael Roberts PEDO 70 MSD 70, chair of the Department of Pediatric Dentistry at University of North Carolina-Chapel Hill, is the first recipient of that school's Dr. and Mrs. Donald Hensen Distinguished Professorship in Pediatric Dentistry. The professorship helps ensure that children in North Carolina receive dental care from well-trained practitioners.

John West ENDO 75 presented "The Schilder Influence: Its Impact on the First Decade of the Twenty-first Century" at the Gianelly/Schilder Symposium on Orthodontic and Endodontic Excellence in Boston in March 2004.

1970s

Gail Cross-Poline MS 76 (DPH), professor and chair of the Department of Dental Hygiene at the University of Colorado School of Dentistry in Denver, is retiring after 35 years in education.

Steve Perlman DMD 76 PEDO 76 was honored when Special Olympics dedicated the 2004 Massachusetts games to him. Perlman and the school started the Special Olympics, Special Smiles initiative more than a decade ago; it was the first program to target the health of athletes at the Special Olympics. The federal Special Olympics Sport and Empowerment Act was recently passed, authorizing \$15 million per year over five years for funding Special Olympics and its Healthy Athletes program.

alumni news

1980s

Venanzio Cardarelli DMD 80 invented a golf tee that has been demonstrated to give golfers an advantage with straighter, longer drives. The polycarbonate, break-resistant tee is available at aero-tee.com, which also contains details about Cardarelli's recycling program for conventional tees. Cardarelli practices in Braintree, Massachusetts.

Jeff Ganeles DMD 83 provided dental implants to a patient on an episode of the reality TV show "Extreme Makeover." He practices in Boca Raton, Florida.

George Huang ENDO 88, program director of the Section of Endodontics at UCLA School of Dentistry, is on the Scientific Advisory Board for the *Journal of Endodontics* and is a member of the Research and Scientific Affairs Committee of the American Association of Endodontists. He presented "Cutting-Edge Biotechnologies for Endodontics: From Diagnosis to Treatment" at the American Association of Endodontists meeting in Anaheim in May.

Terry Pannkuk ENDO 85 recently presented a lecture at the Hong Kong Endodontic Society. The highlight of his trip—beside the food, sights, and sounds of bustling Hong Kong—was golf at the Sai Kung course, especially the course's helicopter pad for evacuation of cobra bite victims and the rule that players receive a free drop if their ball lands on marked ancient graves!

Arthur Novaes Jr. PERIO 80 MSD 80, who is chair of the Department of Oral Surgery and Periodontology of the School of Dentistry of Ribeirao Preto, of the University of Sao Paulo, Brazil, has recently been elected to a two-year term as president of the Brazilian Academy of Osseointegration.

Donald Yu ENDO 81 presented "The Apex: Where Have We Been Wrong in the Past 50 Years?" at the Gianelly/Schilder Symposium on Orthodontic and Endodontic Excellence in Boston in March 2004.

Estela del Carmen Velasco Leon PEDO 86 is the director of the pediatric dentistry program at Universidad Autonoma de Tlaxcala, Mexico.

1990s

In September 2004, **Mary Ellen Evolo DMD 96** married Dr. Milton Hsu. They both work in Manhattan. Evolo practices in a cosmetic and restorative office and Hsu analyzes the stocks of medical device companies.

Paul Farsai DMD 94 AEGD 95 MPH 97, assistant professor in BUSDM's Department of General Dentistry, was selected by the Massachusetts Dental Society as one of its "10 Under 10." The award recognizes dentists who have made significant contributions to the profession, organized dentistry, or the community.

Anna Galganny Almeida PEDO 99 continued research she began at BUSDM when she returned to Brazil, this time testing an antimicrobial therapy in a group of children to prevent future caries in children diagnosed with early childhood caries. She presented her research at the May annual session of the American Academy of Pediatric Dentistry in San Francisco, from which she received a Foundation Research Award. She says, "I hope to always receive news from BU. It is great to hear from you all!"

Deedee Gurin DMD 97 received the Fellowship in the Academy of General Dentistry award at the academy's annual meeting in Anaheim, California in July. Becoming a fellow indicates a clinician's dedication to a program of rigorous continuing dental education programs.

Jonathan Nacht DMD 96 recently purchased a practice in the Berkshires community of Great Barrington, Massachusetts. He and his wife Jennifer had their second child in September, who joined big sister Olivia, age three.

Thomas Ollerhead ENDO 94 is the new president of the Massachusetts Academy of Endodontists. He recently relocated to Chevy Chase, Maryland, where he joined the practice of **Pirooz Zia ENDO 95**.

John Smith ENDO 97 and his wife Jane welcomed their fourth child, Nicholas Andrew, on June 13. Nicholas joins big sisters Alexandra and Abigail and big brother John Jr.



Oliver Pontius ENDO 97 became a diplomate of the American Board of Endodontics and presented "Restoration of Endodontically Treated Teeth: Are Posts Still a Valid Treatment Option?" at the Gianelly/Schilder Symposium on Orthodontic and Endodontic Excellence in Boston in March 2004.

Viktoria Talebian DMD 97 ORTHO 99 and husband Pejman had their second child, baby girl Rachael Katherine, in April.

2000s

Cami Ferris ENDO 00 and **Derrick Wong ENDO 00** were married November 2003 in Santa Barbara, California. Cami practices with Terry Pannkuk ENDO 85 in Santa Barbara and Derrick practices with Steve Dixon ENDO 95 in Santa Maria.

Dao Hoang ENDO 00 and husband Steve Dinh became proud parents of daughter Kaitlyn, who was born on February 15, 2004.

Kate Lacoste-Suprenant ENDO 02 and her husband Dan Suprenant had a baby girl, Claire Louise, on July 7, 2004.

After graduation from BUSDM, **Anna Lu DMD 02** became the first woman accepted into the oral and maxillofacial surgery program at University of the Pacific in San Francisco. She is now the first female head resident. In October 2004 she married classmate **John Vo DMD 02**.

Kevin Peterson ENDO 00 is the new secretary of the Massachusetts Academy of Endodontists.

In Memoriam

Jeffrey Bartel DMD 00, in May 2003
 Benton Cole PERIO 66, in May 2004
 Walter A. Doyle ORTHO 76, in 2004
 Barry L. Jasper PROS 66, in July 2004
 Ghada Kharouba DMD 92, in November 2002
 Phuc Vinh Le OMFS 97, in June 2003
 Lawrence Lucas PERIO 63, in February 2003
 Philip R. Schoolnick PROS 68, in October 2003
 Mohammad Reza Tavakolian DMD 95, in June 2003
 Lucian R. Wadlington PEDO 73, in April 2003

Mark your calendars

To register or for more information, visit dentalschool.bu.edu/alumni or call Beverly Fraser at 617/638-4891.

AEGD Alumni Cocktail Reception, Yankee Dental Congress
 Boston. January 27, 2005

All-Alumni Cocktail Reception, Yankee Dental Congress
 Boston. January 28, 2005

Alumni Weekend May 20-22, 2005
 Now accepting nominations for the Distinguished Alumni Awards for Service to the School, Service to the Profession, and Service to the Community. Send your submissions to your alumni officer, Stacey McNamee, at smcnamee@bu.edu or call her at 617/638-4778.



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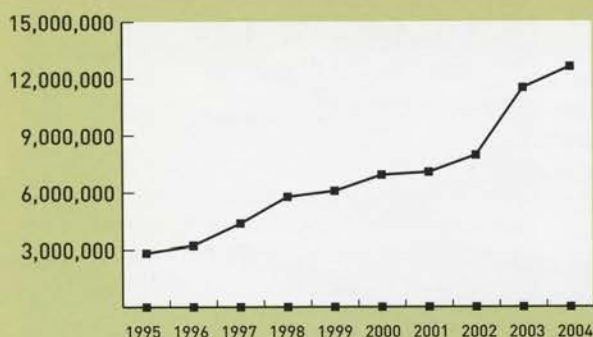
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Growth in Research Funding



Source: Office of Sponsored Programs, Boston University Medical Center

Research Growth

Grants to the school for biomedical, clinical, and epidemiological research continue to increase, with the school showing a 10 percent growth between fiscal years 2003 and 2004. The increase in grants represents the school's commitment to investigating and improving factors that affect oral and general health and well-being.

Oral Pathology Service Continues to Grow

More than 40 years ago, oral pathologist Henry M. Goldman envisioned a dental school focusing on specialty education. The school he founded has come full circle as BUSDM's oral pathology service continues to grow. Faculty members Dr. Sadru Kabani, director of oral and maxillofacial pathology, Dr. George Gallagher, director of the postdoctoral program in oral pathology, and Dr. Vikki Noonan, assistant professor, provide microscopic diagnosis and clinical and radiographic consultation to clinicians including general dentists and specialists.

To arrange a consultation or to learn more about BUSDM's oral pathology service, contact the division's administrative staff, Allyson Baughman or Lillian Campbell, at 617/638-4775.

Purchase a Laptop . . . and Donate to the School

BUSDM has initiated a partnership with IBM so alumni can now purchase selected, specially priced laptops, with 3 percent of the purchase price donated to the school. If you are in the market for a new computer, visit ibm.com/shop/ibmdeals/budental—and help BUSDM provide students with the very best resources and facilities.

Applications Increase and Diverse Enrollment Maintained for 2004

Advanced Standing and postdoctoral enrollees continue to represent a wide range of countries, with students joining the new Advanced Standing class from 14 countries and postdoctoral students coming from 24 countries.

the last word

Three major foundations, the Robert Wood Johnson Foundation, the California Endowment, and the W. K. Kellogg Foundation, believe the Surgeon General's Report on Oral Health requires the attention of the dental profession if we are to bring the benefits of good oral health to everyone, especially racial and ethnic minorities and low-income groups who suffer disproportionately from oral disease. Hence the Pipeline, Profession & Practice: Community-Based Dental Education ("Dental Pipeline") program was conceived.

The Dental Pipeline program engages dental schools in solving access-to-care problems for the underserved and aims to improve access to dental education for racial and ethnic groups not well represented in the dental profession. Each of the 15 funded dental schools—that's one-quarter of the dental schools in the United States—is strengthening didactic offerings to

make students more aware of cultural issues and teach them the skills practitioners need to communicate with diverse patient populations. Similarly, by enrolling a more diverse student body we hope the overall learning environment will change for students and they will gain an appreciation for the needs of a diverse society through peer interactions with racial and ethnic groups with which they are unfamiliar.

We are delighted to have Boston University's New England Dental Access Project as one of the 15 funded projects. By sharing knowledge, the Boston University Dental Pipeline project is helping neighboring states find solutions to severe oral health care access problems. With its strong history of community involvement, the school has long been a leader in providing care to underserved populations.

We invite you to learn more about the Dental Pipeline program by viewing our website at dentalpipeline.org or visiting us at the National Program Office located at Columbia University Medical Center.



Allan J. Formicola, D.D.S.

Allan J. Formicola, DDS, MS

Dr. Formicola is codirector, with Dr. Howard Bailit, of the "Pipeline, Profession & Practice: Community-Based Dental Education" program. He is the former dean of the Columbia University School of Dental and Oral Surgery and currently is professor of dentistry and vice dean for the Center for Community Health Partnerships at the Columbia University Medical Center.

NEWS/MESSAGE

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gifts of \$1,000 to \$2,499

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gifts of \$500 to \$999

The mission of Boston University Goldman School of Dental Medicine is to provide excellent education to dental professionals throughout their careers; to shape the future of dental medicine and dental education through research; to offer excellent health care services to the community; to participate in community activities; and to foster a respectful and supportive environment.

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